

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P193139

Luminaire Tested: **GLEON-AF-01-LED-E1-T2R-7030-800**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P193139  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24657)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GLEON-AF-01-LED-E1-T2R-7030-800  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5074 lumens  
Efficiency: N/A  
Efficacy: 115.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short - Full Cutoff  
BUG Rating: B1 - U0 - G1

Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

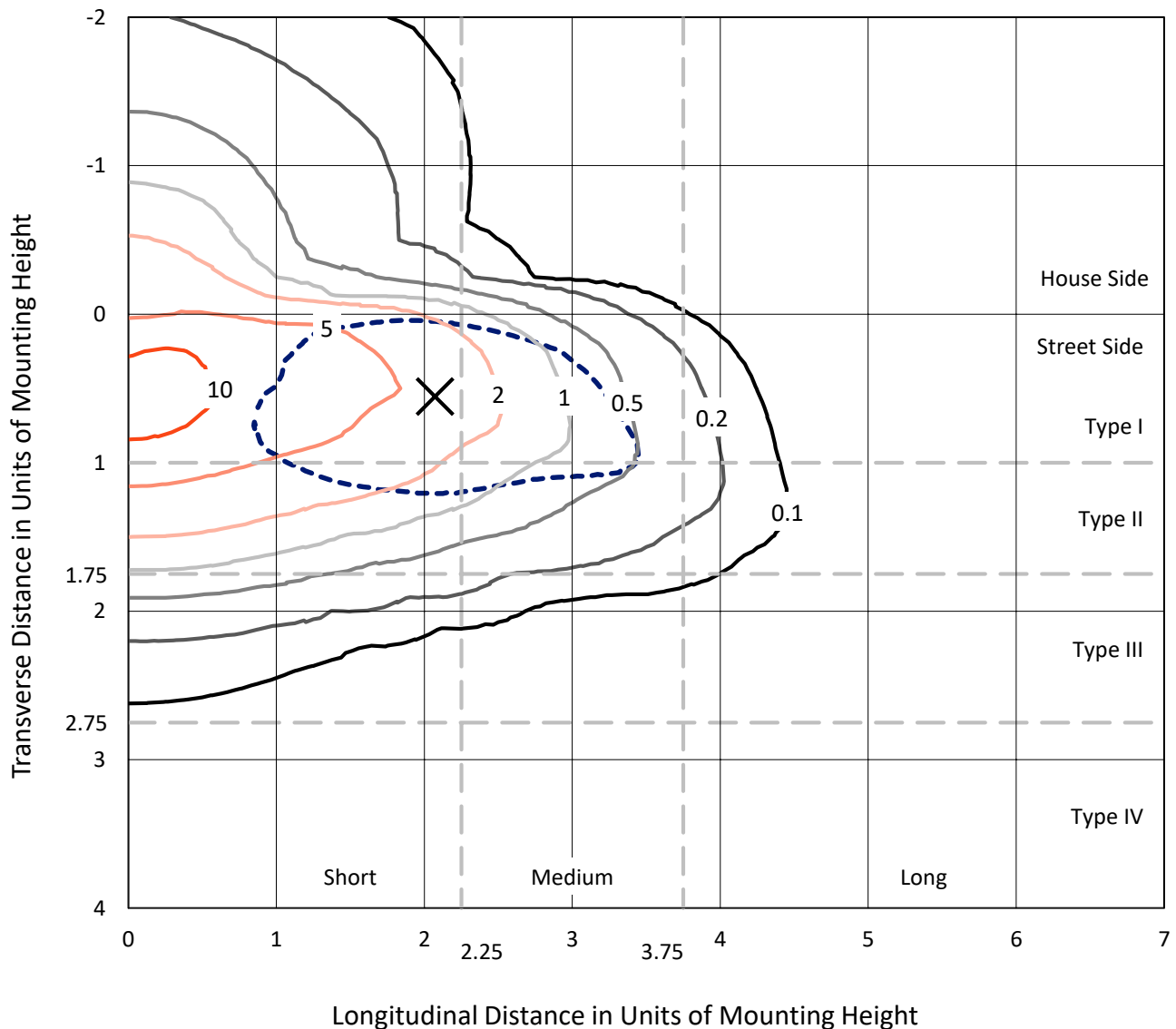


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

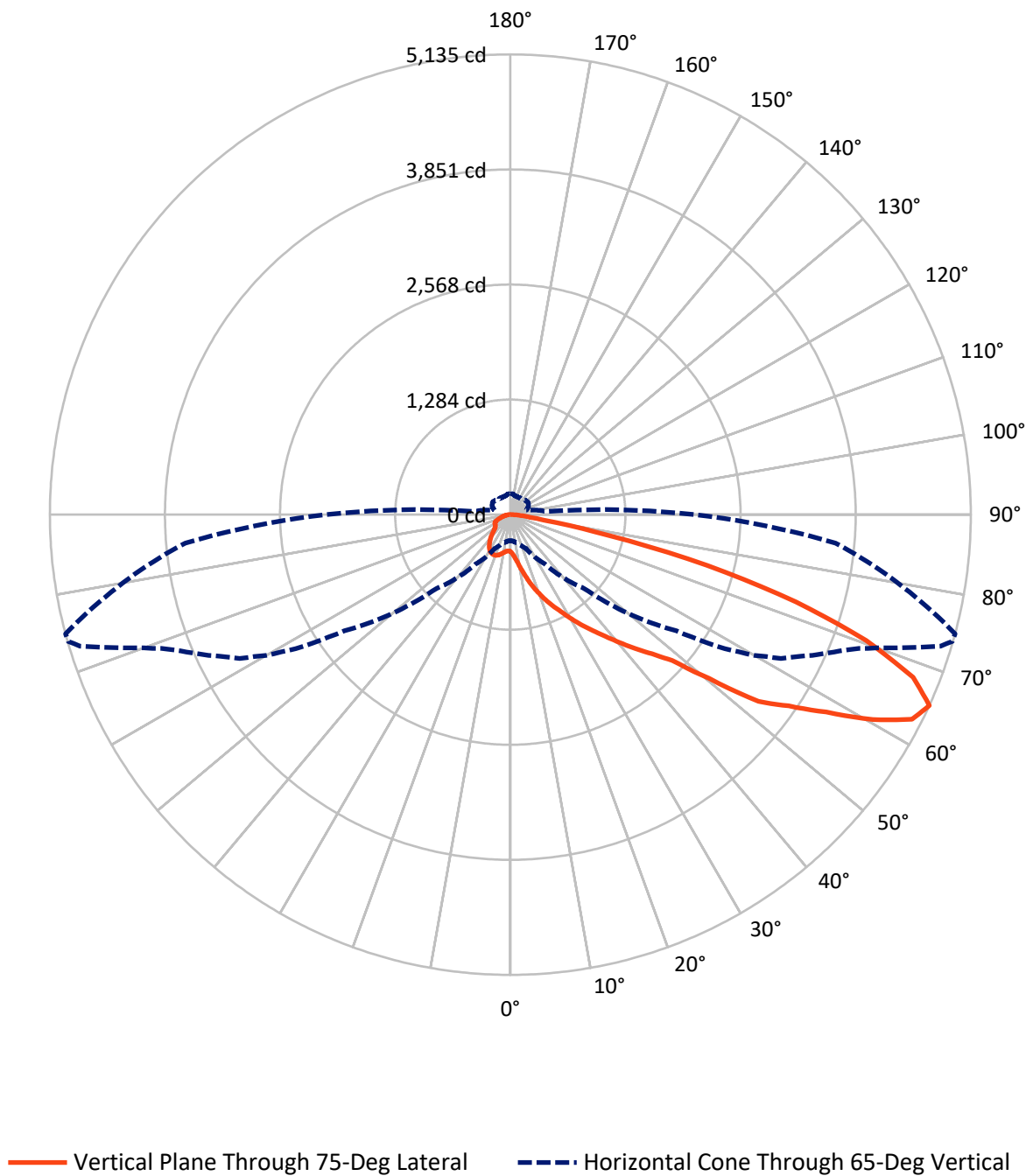


Based on 10 foot mounting height. Maximum calculated value = 12.8 fc  
Type II - Short - Full Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 782.3    | 0.0    | 782.3  |
|                    | % Fixture | 15.4     | 0.0    | 15.4   |
| <b>Street Side</b> | Lumens    | 4291.7   | 0.0    | 4291.7 |
|                    | % Fixture | 84.6     | 0.0    | 84.6   |
| <b>Total</b>       | Lumens    | 5074.0   | 0.0    | 5074.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 51.0   | 1.0       |
| 10°-20°   | 199.1  | 3.9       |
| 20°-30°   | 408.6  | 8.1       |
| 30°-40°   | 687.4  | 13.5      |
| 40°-50°   | 949.8  | 18.7      |
| 50°-60°   | 1185.7 | 23.4      |
| 60°-70°   | 1067.0 | 21.0      |
| 70°-80°   | 447.3  | 8.8       |
| 80°-90°   | 78.1   | 1.5       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 5074.0 | 100.0     |
| 0°-180°   | 5074.0 | 100.0     |

**Coefficient of Utilization**



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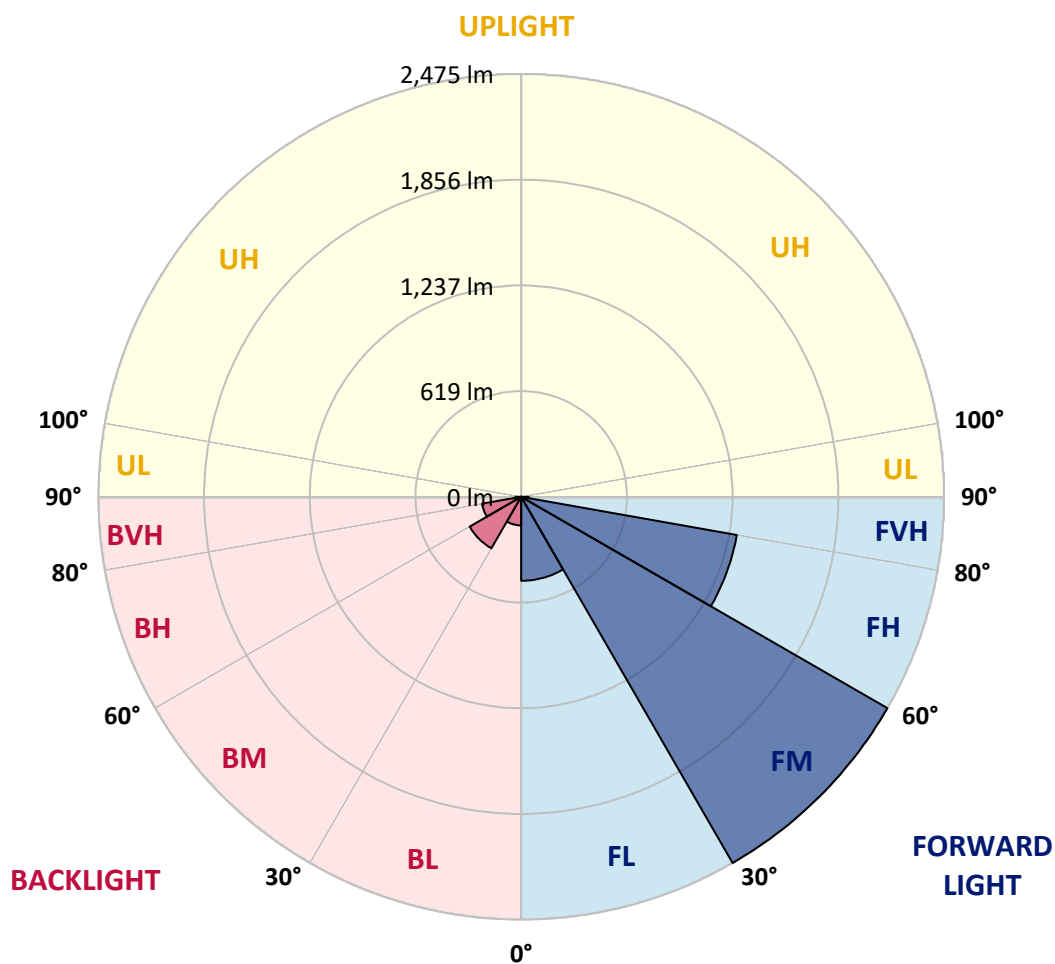
CATALOG NUMBER: GLEON-AF-01-LED-E1-T2R-7030-800

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 491.4  | 9.7       |                         |      |         |
| FM   | (30°-60°)   | 2474.7 | 48.8      |                         |      |         |
| FH   | (60°-80°)   | 1281.7 | 25.3      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 43.9   | 0.9       |                         |      | G1/100  |
| BL   | (0°-30°)    | 167.3  | 3.3       | B1/500                  |      |         |
| BM   | (30°-60°)   | 348.2  | 6.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 232.6  | 4.6       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 34.2   | 0.7       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 56°    | 57°    | 58°    | 59°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 412.4  | 412.4  | 412.4  | 412.4  | 412.4  | 412.4  | 412.4  | 412.4  | 412.4  | 412.4  | 412.4  |
| 2.5°  | 523.6  | 517.8  | 519.2  | 509.5  | 497.9  | 482.5  | 465.5  | 465.2  | 465.5  | 463.8  | 457.5  |
| 5°    | 726.0  | 719.0  | 716.4  | 694.8  | 663.1  | 618.0  | 568.9  | 563.7  | 561.5  | 556.0  | 543.2  |
| 7.5°  | 873.7  | 869.9  | 865.8  | 849.5  | 820.6  | 770.2  | 704.4  | 693.1  | 682.4  | 679.7  | 665.3  |
| 10°   | 969.0  | 968.1  | 959.4  | 955.2  | 937.1  | 893.4  | 829.3  | 818.5  | 806.7  | 802.6  | 787.5  |
| 12.5° | 1044.5 | 1044.2 | 1040.1 | 1041.4 | 1025.7 | 994.0  | 938.7  | 928.9  | 920.3  | 907.8  | 897.0  |
| 15°   | 1096.6 | 1096.9 | 1102.9 | 1109.5 | 1107.2 | 1085.8 | 1033.9 | 1029.6 | 1022.1 | 1013.5 | 1000.7 |
| 17.5° | 1139.3 | 1140.5 | 1146.7 | 1159.0 | 1172.3 | 1170.6 | 1129.5 | 1125.9 | 1119.4 | 1107.7 | 1100.9 |
| 20°   | 1235.8 | 1240.4 | 1228.4 | 1228.4 | 1229.8 | 1236.4 | 1216.7 | 1213.8 | 1204.7 | 1198.5 | 1193.1 |
| 22.5° | 1398.9 | 1404.2 | 1377.1 | 1349.5 | 1322.4 | 1302.6 | 1282.9 | 1286.5 | 1280.3 | 1276.0 | 1272.9 |
| 25°   | 1610.8 | 1614.9 | 1570.9 | 1524.2 | 1469.1 | 1397.0 | 1348.3 | 1346.1 | 1342.8 | 1340.1 | 1338.7 |
| 27.5° | 1810.1 | 1811.7 | 1770.2 | 1702.0 | 1637.9 | 1534.4 | 1414.6 | 1411.9 | 1407.8 | 1402.8 | 1398.5 |
| 30°   | 1980.7 | 1980.1 | 1937.3 | 1872.2 | 1803.7 | 1689.0 | 1515.2 | 1507.0 | 1495.0 | 1481.3 | 1470.7 |
| 32.5° | 2128.4 | 2127.6 | 2080.8 | 2013.3 | 1941.2 | 1842.3 | 1653.1 | 1636.2 | 1617.5 | 1590.9 | 1574.8 |
| 35°   | 2244.5 | 2244.0 | 2199.9 | 2129.6 | 2046.9 | 1986.7 | 1811.1 | 1790.4 | 1766.6 | 1730.8 | 1706.1 |
| 37.5° | 2288.6 | 2288.6 | 2263.8 | 2215.8 | 2142.7 | 2101.4 | 1986.7 | 1961.6 | 1936.2 | 1895.6 | 1867.8 |
| 40°   | 2262.9 | 2263.3 | 2268.5 | 2259.7 | 2224.2 | 2192.4 | 2150.4 | 2135.6 | 2113.6 | 2077.1 | 2048.1 |
| 42.5° | 2176.6 | 2179.2 | 2214.2 | 2257.3 | 2275.1 | 2270.0 | 2295.7 | 2289.0 | 2273.5 | 2245.5 | 2222.5 |
| 45°   | 2067.3 | 2075.5 | 2113.9 | 2195.1 | 2289.2 | 2337.0 | 2417.5 | 2418.2 | 2415.2 | 2400.2 | 2382.4 |
| 47.5° | 1917.2 | 1928.8 | 1979.4 | 2089.1 | 2256.1 | 2402.1 | 2541.2 | 2547.6 | 2553.6 | 2543.8 | 2535.7 |
| 50°   | 1717.9 | 1731.5 | 1807.4 | 1953.0 | 2188.6 | 2469.6 | 2774.8 | 2804.1 | 2831.6 | 2828.1 | 2833.6 |
| 52.5° | 1504.4 | 1520.5 | 1613.4 | 1775.6 | 2072.6 | 2485.2 | 2924.3 | 2972.0 | 3019.8 | 3058.9 | 3100.4 |
| 55°   | 1311.7 | 1303.1 | 1396.2 | 1566.8 | 1881.9 | 2414.8 | 3058.5 | 3116.1 | 3169.4 | 3217.4 | 3267.0 |
| 57.5° | 1050.7 | 1064.8 | 1158.0 | 1327.0 | 1629.5 | 2216.3 | 3150.9 | 3235.2 | 3311.8 | 3391.3 | 3461.5 |
| 60°   | 768.1  | 782.2  | 883.4  | 1054.8 | 1355.5 | 1915.1 | 3080.3 | 3208.1 | 3330.8 | 3452.6 | 3547.6 |
| 62.5° | 463.8  | 474.3  | 563.4  | 726.7  | 1045.2 | 1557.9 | 2765.7 | 2933.4 | 3114.0 | 3259.5 | 3405.3 |
| 65°   | 288.7  | 294.7  | 327.6  | 417.4  | 671.3  | 1163.1 | 2259.7 | 2442.5 | 2637.0 | 2821.6 | 2973.2 |
| 67.5° | 236.3  | 238.5  | 244.5  | 263.8  | 368.6  | 758.5  | 1681.8 | 1843.7 | 2019.3 | 2198.0 | 2366.5 |
| 70°   | 212.5  | 211.1  | 211.1  | 212.3  | 236.3  | 407.7  | 1101.2 | 1206.5 | 1352.8 | 1508.3 | 1662.4 |
| 72.5° | 191.9  | 190.4  | 187.8  | 184.2  | 192.9  | 248.8  | 569.1  | 648.7  | 754.1  | 892.2  | 1039.9 |
| 75°   | 172.4  | 170.6  | 167.3  | 162.8  | 168.8  | 187.8  | 273.2  | 306.7  | 358.1  | 431.6  | 513.9  |
| 77.5° | 152.3  | 149.9  | 147.0  | 143.5  | 151.4  | 146.0  | 160.2  | 172.2  | 191.9  | 215.5  | 246.4  |
| 80°   | 129.5  | 127.3  | 126.3  | 124.7  | 133.8  | 111.2  | 113.1  | 120.5  | 132.1  | 144.8  | 159.2  |
| 82.5° | 101.4  | 101.4  | 105.2  | 105.9  | 116.1  | 80.0   | 84.5   | 91.0   | 97.0   | 103.8  | 110.5  |
| 85°   | 66.7   | 67.2   | 80.2   | 85.2   | 91.4   | 53.7   | 63.4   | 65.5   | 70.4   | 74.2   | 77.1   |
| 87.5° | 20.9   | 22.6   | 48.9   | 54.3   | 52.6   | 30.5   | 38.9   | 39.9   | 43.2   | 45.9   | 48.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 60°    | 61°    | 62°    | 63°    | 64°    | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 412.4  | 412.4  | 412.4  | 412.4  | 412.4  | 412.4  | 412.4  | 412.4  | 412.4  | 412.4  | 412.4  |
| 2.5°  | 457.5  | 454.6  | 452.0  | 451.8  | 449.8  | 447.2  | 448.2  | 444.0  | 444.2  | 442.2  | 439.8  |
| 5°    | 538.0  | 536.0  | 526.4  | 523.8  | 516.6  | 512.0  | 511.4  | 501.7  | 500.5  | 495.0  | 488.9  |
| 7.5°  | 653.7  | 647.5  | 634.0  | 627.5  | 615.3  | 606.2  | 601.8  | 589.1  | 582.9  | 568.4  | 562.0  |
| 10°   | 774.9  | 767.1  | 750.5  | 741.5  | 729.7  | 715.0  | 707.0  | 688.6  | 681.3  | 668.1  | 652.3  |
| 12.5° | 887.4  | 879.4  | 862.4  | 855.5  | 839.8  | 824.3  | 815.6  | 794.8  | 785.3  | 764.2  | 751.7  |
| 15°   | 991.4  | 983.5  | 968.6  | 961.4  | 945.7  | 933.1  | 921.5  | 900.9  | 889.8  | 870.1  | 853.8  |
| 17.5° | 1092.3 | 1083.9 | 1070.8 | 1064.4 | 1049.3 | 1036.4 | 1023.9 | 1004.3 | 993.0  | 973.4  | 958.7  |
| 20°   | 1185.9 | 1179.7 | 1170.2 | 1161.7 | 1146.5 | 1134.7 | 1119.9 | 1103.1 | 1086.7 | 1072.4 | 1058.4 |
| 22.5° | 1267.6 | 1265.2 | 1255.1 | 1251.2 | 1238.2 | 1228.2 | 1215.2 | 1198.7 | 1186.9 | 1168.6 | 1155.6 |
| 25°   | 1338.0 | 1337.3 | 1332.4 | 1331.3 | 1322.1 | 1312.5 | 1309.6 | 1296.0 | 1285.1 | 1269.0 | 1255.6 |
| 27.5° | 1398.5 | 1399.2 | 1398.0 | 1401.4 | 1398.9 | 1394.5 | 1394.9 | 1390.4 | 1384.1 | 1370.6 | 1358.8 |
| 30°   | 1465.7 | 1461.9 | 1464.1 | 1468.9 | 1470.3 | 1470.7 | 1478.8 | 1481.3 | 1480.8 | 1471.9 | 1466.1 |
| 32.5° | 1560.8 | 1551.7 | 1543.3 | 1542.5 | 1547.3 | 1549.3 | 1562.7 | 1569.7 | 1575.7 | 1577.9 | 1578.8 |
| 35°   | 1682.0 | 1663.8 | 1646.3 | 1636.9 | 1628.8 | 1630.9 | 1640.5 | 1651.9 | 1665.0 | 1674.2 | 1685.0 |
| 37.5° | 1834.8 | 1812.5 | 1781.6 | 1759.4 | 1753.9 | 1741.9 | 1748.1 | 1757.0 | 1770.0 | 1784.2 | 1802.9 |
| 40°   | 2019.9 | 1986.2 | 1951.4 | 1922.0 | 1906.1 | 1884.0 | 1883.8 | 1882.2 | 1890.0 | 1903.3 | 1929.7 |
| 42.5° | 2198.2 | 2168.1 | 2131.2 | 2100.5 | 2079.9 | 2050.2 | 2044.2 | 2028.6 | 2032.2 | 2043.8 | 2069.5 |
| 45°   | 2365.1 | 2340.4 | 2317.8 | 2282.3 | 2264.7 | 2232.8 | 2222.7 | 2204.2 | 2193.9 | 2199.2 | 2224.8 |
| 47.5° | 2526.7 | 2510.9 | 2487.4 | 2464.4 | 2450.9 | 2422.3 | 2409.2 | 2396.0 | 2383.0 | 2382.4 | 2409.2 |
| 50°   | 2841.9 | 2833.4 | 2805.6 | 2781.5 | 2788.1 | 2753.0 | 2755.2 | 2719.6 | 2735.8 | 2737.6 | 2794.1 |
| 52.5° | 3137.9 | 3167.3 | 3187.9 | 3213.1 | 3229.4 | 3232.6 | 3243.4 | 3259.5 | 3279.0 | 3317.3 | 3369.8 |
| 55°   | 3307.5 | 3344.3 | 3365.6 | 3384.9 | 3416.5 | 3423.3 | 3441.3 | 3462.7 | 3479.7 | 3522.9 | 3567.5 |
| 57.5° | 3509.0 | 3577.2 | 3610.4 | 3640.8 | 3683.5 | 3699.9 | 3730.0 | 3753.3 | 3775.4 | 3826.5 | 3880.4 |
| 60°   | 3633.2 | 3716.2 | 3783.7 | 3832.0 | 3885.6 | 3924.0 | 3969.4 | 4005.9 | 4057.8 | 4119.1 | 4199.3 |
| 62.5° | 3534.4 | 3656.5 | 3746.1 | 3828.9 | 3901.6 | 3975.2 | 4040.3 | 4108.4 | 4187.3 | 4279.9 | 4404.3 |
| 65°   | 3141.3 | 3265.5 | 3418.9 | 3504.9 | 3601.3 | 3714.6 | 3813.5 | 3924.0 | 4031.3 | 4166.4 | 4350.2 |
| 67.5° | 2529.0 | 2673.2 | 2845.6 | 2932.4 | 3043.1 | 3169.7 | 3280.6 | 3415.6 | 3541.0 | 3704.6 | 3931.9 |
| 70°   | 1822.9 | 2009.5 | 2154.5 | 2245.1 | 2374.2 | 2504.7 | 2611.8 | 2768.8 | 2872.5 | 3040.2 | 3275.4 |
| 72.5° | 1154.3 | 1301.5 | 1479.2 | 1593.2 | 1708.0 | 1840.2 | 1949.6 | 2085.1 | 2181.9 | 2334.7 | 2547.6 |
| 75°   | 620.6  | 729.1  | 885.2  | 993.6  | 1116.5 | 1229.3 | 1357.6 | 1448.4 | 1520.1 | 1640.7 | 1813.7 |
| 77.5° | 290.8  | 356.8  | 436.0  | 519.2  | 602.6  | 689.5  | 774.0  | 847.6  | 878.2  | 947.5  | 1049.6 |
| 80°   | 176.6  | 197.9  | 220.9  | 246.6  | 281.5  | 309.5  | 346.8  | 373.6  | 375.7  | 397.4  | 428.8  |
| 82.5° | 117.9  | 125.8  | 132.9  | 139.3  | 148.1  | 155.1  | 163.2  | 172.4  | 176.2  | 181.4  | 191.4  |
| 85°   | 80.5   | 84.3   | 85.8   | 89.8   | 88.8   | 91.2   | 94.4   | 97.5   | 99.2   | 99.0   | 103.5  |
| 87.5° | 49.5   | 51.4   | 52.3   | 53.3   | 52.6   | 51.7   | 53.1   | 54.7   | 55.2   | 53.7   | 54.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 71°    | 72°    | 73°    | 74°    | 75°    | 85°    | 90°    | 95°   | 105°  | 115°  | 125°  |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0°    | 412.4  | 412.4  | 412.4  | 412.4  | 412.4  | 412.4  | 412.4  | 412.4 | 412.4 | 412.4 | 412.4 |
| 2.5°  | 440.2  | 438.0  | 436.0  | 434.5  | 434.0  | 421.2  | 415.7  | 412.1 | 404.5 | 398.1 | 393.2 |
| 5°    | 485.6  | 481.1  | 477.5  | 473.1  | 470.7  | 438.5  | 426.7  | 418.6 | 405.2 | 397.2 | 390.0 |
| 7.5°  | 558.7  | 545.9  | 538.4  | 530.0  | 522.8  | 464.7  | 445.2  | 432.5 | 413.8 | 403.2 | 395.1 |
| 10°   | 641.5  | 628.2  | 616.6  | 603.5  | 592.3  | 499.6  | 471.2  | 451.5 | 426.7 | 413.1 | 402.3 |
| 12.5° | 733.9  | 721.0  | 706.1  | 689.5  | 675.1  | 543.7  | 504.3  | 476.3 | 442.4 | 424.2 | 408.9 |
| 15°   | 843.3  | 820.4  | 802.4  | 783.2  | 766.4  | 596.5  | 543.0  | 504.1 | 459.0 | 434.2 | 414.1 |
| 17.5° | 944.8  | 920.8  | 896.3  | 879.4  | 860.0  | 655.9  | 582.0  | 532.4 | 472.6 | 440.8 | 414.9 |
| 20°   | 1044.0 | 1017.9 | 996.7  | 974.0  | 953.8  | 717.4  | 623.5  | 557.4 | 481.5 | 441.0 | 408.9 |
| 22.5° | 1131.4 | 1115.1 | 1091.5 | 1067.0 | 1046.3 | 778.8  | 662.3  | 578.5 | 484.9 | 435.4 | 398.5 |
| 25°   | 1230.8 | 1213.6 | 1184.7 | 1164.0 | 1141.0 | 841.6  | 700.6  | 594.9 | 482.9 | 425.1 | 382.1 |
| 27.5° | 1337.0 | 1317.7 | 1288.2 | 1266.7 | 1238.8 | 906.7  | 735.7  | 606.6 | 475.8 | 408.3 | 360.2 |
| 30°   | 1447.6 | 1430.2 | 1401.1 | 1379.3 | 1351.2 | 975.5  | 774.7  | 614.6 | 461.4 | 385.0 | 334.8 |
| 32.5° | 1566.6 | 1551.9 | 1523.1 | 1500.3 | 1470.3 | 1050.2 | 811.2  | 617.0 | 439.6 | 357.4 | 307.9 |
| 35°   | 1679.5 | 1669.4 | 1645.1 | 1623.7 | 1592.6 | 1120.9 | 849.9  | 615.7 | 413.5 | 327.1 | 283.4 |
| 37.5° | 1806.5 | 1800.5 | 1788.5 | 1761.4 | 1723.1 | 1216.7 | 896.3  | 610.8 | 381.9 | 297.0 | 264.6 |
| 40°   | 1942.0 | 1942.4 | 1929.5 | 1911.0 | 1875.4 | 1332.9 | 951.5  | 600.9 | 347.2 | 270.6 | 247.6 |
| 42.5° | 2085.3 | 2092.8 | 2086.6 | 2073.3 | 2039.3 | 1450.1 | 1017.5 | 588.9 | 313.7 | 245.0 | 230.7 |
| 45°   | 2249.6 | 2258.7 | 2268.3 | 2248.9 | 2215.8 | 1604.8 | 1104.5 | 573.3 | 277.4 | 223.6 | 219.3 |
| 47.5° | 2439.1 | 2453.5 | 2462.1 | 2462.3 | 2429.3 | 1796.4 | 1245.8 | 563.9 | 245.2 | 209.2 | 213.7 |
| 50°   | 2839.0 | 2843.6 | 2863.9 | 2899.5 | 2874.1 | 2240.1 | 1492.4 | 558.1 | 223.3 | 200.3 | 209.7 |
| 52.5° | 3415.1 | 3465.2 | 3500.6 | 3498.3 | 3463.6 | 2521.7 | 1628.3 | 528.4 | 210.5 | 196.8 | 207.7 |
| 55°   | 3649.8 | 3712.4 | 3777.7 | 3795.0 | 3768.2 | 2762.1 | 1756.8 | 498.6 | 204.1 | 199.3 | 208.4 |
| 57.5° | 3962.4 | 4068.2 | 4157.8 | 4195.4 | 4156.5 | 3069.7 | 1925.9 | 482.9 | 202.2 | 205.9 | 213.0 |
| 60°   | 4327.8 | 4458.5 | 4576.1 | 4643.7 | 4643.7 | 3423.3 | 2101.2 | 476.5 | 199.6 | 215.5 | 220.7 |
| 62.5° | 4562.3 | 4754.3 | 4932.0 | 5031.2 | 5028.3 | 3669.5 | 2178.9 | 454.4 | 193.6 | 222.2 | 231.3 |
| 65°   | 4563.3 | 4791.4 | 5017.9 | 5129.4 | 5135.1 | 3639.2 | 2050.5 | 401.3 | 182.6 | 223.1 | 241.8 |
| 67.5° | 4182.9 | 4426.2 | 4690.2 | 4814.8 | 4843.6 | 3350.0 | 1775.0 | 330.0 | 164.6 | 213.5 | 245.8 |
| 70°   | 3532.8 | 3770.3 | 4039.8 | 4162.2 | 4213.4 | 2855.8 | 1429.6 | 254.3 | 141.5 | 192.4 | 237.7 |
| 72.5° | 2783.3 | 3016.2 | 3203.8 | 3293.4 | 3333.2 | 2182.9 | 1041.1 | 192.1 | 116.1 | 162.1 | 216.4 |
| 75°   | 1970.5 | 2145.5 | 2245.1 | 2265.0 | 2271.2 | 1315.8 | 632.6  | 142.9 | 95.6  | 126.0 | 182.8 |
| 77.5° | 1112.1 | 1187.1 | 1178.9 | 1187.8 | 1113.9 | 507.9  | 275.5  | 102.2 | 78.7  | 95.8  | 141.7 |
| 80°   | 434.2  | 447.6  | 420.5  | 412.1  | 378.0  | 189.0  | 121.5  | 71.3  | 63.0  | 72.5  | 99.2  |
| 82.5° | 191.4  | 197.6  | 191.9  | 193.3  | 184.9  | 97.5   | 72.7   | 51.7  | 48.1  | 53.1  | 65.8  |
| 85°   | 105.4  | 107.4  | 106.8  | 110.1  | 105.4  | 38.9   | 34.6   | 31.6  | 33.7  | 36.0  | 42.3  |
| 87.5° | 51.4   | 51.9   | 50.1   | 52.9   | 51.2   | 19.6   | 17.1   | 18.0  | 19.6  | 20.2  | 20.2  |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   |

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**CANDELA DISTRIBUTION (continued):**

|       | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 412.4 | 412.4 | 412.4 | 412.4 | 412.4 | 412.4 |
| 2.5°  | 389.5 | 387.7 | 387.9 | 387.5 | 386.4 | 386.4 |
| 5°    | 386.2 | 384.3 | 384.3 | 383.8 | 382.6 | 382.9 |
| 7.5°  | 389.5 | 386.4 | 385.2 | 383.5 | 381.9 | 381.9 |
| 10°   | 393.4 | 387.9 | 384.5 | 381.7 | 379.4 | 379.4 |
| 12.5° | 396.3 | 387.7 | 382.1 | 378.2 | 376.1 | 376.1 |
| 15°   | 397.2 | 385.9 | 378.2 | 373.6 | 371.8 | 371.5 |
| 17.5° | 394.1 | 379.4 | 370.1 | 364.8 | 362.4 | 361.6 |
| 20°   | 384.5 | 367.6 | 356.4 | 350.4 | 347.0 | 345.8 |
| 22.5° | 370.1 | 350.8 | 337.7 | 331.4 | 327.1 | 326.3 |
| 25°   | 349.9 | 329.3 | 316.3 | 310.3 | 307.9 | 307.1 |
| 27.5° | 326.3 | 307.1 | 296.1 | 292.3 | 290.1 | 289.9 |
| 30°   | 304.1 | 287.7 | 279.6 | 276.7 | 274.0 | 273.5 |
| 32.5° | 283.2 | 272.8 | 269.7 | 265.6 | 259.4 | 258.6 |
| 35°   | 268.2 | 267.2 | 265.2 | 256.0 | 248.3 | 246.2 |
| 37.5° | 259.2 | 268.0 | 257.0 | 239.0 | 233.5 | 232.9 |
| 40°   | 253.8 | 260.6 | 241.6 | 235.4 | 235.9 | 235.4 |
| 42.5° | 241.8 | 248.8 | 242.1 | 239.2 | 241.1 | 241.6 |
| 45°   | 229.9 | 237.5 | 245.8 | 243.7 | 248.3 | 248.3 |
| 47.5° | 223.1 | 234.7 | 245.4 | 245.4 | 252.2 | 254.6 |
| 50°   | 215.5 | 232.2 | 241.6 | 245.0 | 250.2 | 248.3 |
| 52.5° | 214.9 | 228.2 | 236.1 | 242.1 | 244.5 | 242.3 |
| 55°   | 215.7 | 224.7 | 230.5 | 237.3 | 240.2 | 240.4 |
| 57.5° | 216.7 | 222.9 | 226.7 | 229.9 | 238.5 | 238.5 |
| 60°   | 219.1 | 221.1 | 223.3 | 225.1 | 236.3 | 236.5 |
| 62.5° | 222.9 | 219.5 | 219.1 | 220.7 | 235.1 | 234.2 |
| 65°   | 228.9 | 217.1 | 213.5 | 215.1 | 234.0 | 231.1 |
| 67.5° | 237.1 | 213.5 | 206.5 | 207.7 | 232.9 | 226.7 |
| 70°   | 244.5 | 207.7 | 197.9 | 196.6 | 223.9 | 212.8 |
| 72.5° | 245.2 | 201.0 | 185.8 | 182.3 | 194.5 | 184.0 |
| 75°   | 233.2 | 196.4 | 172.6 | 162.1 | 160.7 | 159.2 |
| 77.5° | 210.1 | 193.8 | 157.4 | 140.7 | 137.8 | 138.9 |
| 80°   | 175.8 | 184.0 | 138.9 | 119.1 | 134.7 | 133.1 |
| 82.5° | 131.3 | 162.4 | 117.9 | 105.4 | 105.2 | 93.0  |
| 85°   | 72.9  | 126.5 | 96.0  | 79.0  | 54.9  | 53.3  |
| 87.5° | 20.4  | 70.4  | 67.2  | 44.7  | 30.5  | 31.6  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)